



## MAUL FOSTER ALONGI

2001 NW 19<sup>th</sup> Avenue, Suite 200 | Portland, OR 97209 | 971 544-2139 | [www.maulfooster.com](http://www.maulfooster.com)

September 13, 2011  
Project No. 8128.01.08

Mr. Dana Bayuk  
Oregon Department of Environmental Quality  
2020 SW 4th Avenue  
Portland, Oregon 97201-4987

Re: Monthly Progress Report—August 2011  
Siltronic Corporation  
7200 NW Front Avenue, Portland, OR  
ECSI #183

Dear Dana:

Maul Foster & Alongi, Inc. (MFA) has prepared this progress report (Report) in accordance with the requirements of the *Order Requiring Remedial Investigation (RI) and Source Control Measures* (the Order), Oregon Department of Environmental Quality (DEQ) No. VC-NWR-03-16, issued to Siltronic Corporation (Siltronic) on February 9, 2004. The reporting period for this Report is August 1, 2011, through August 31, 2011. The next report is due October 10, 2011.

The report organization follows that of the previous progress reports.

### **ACTIONS TAKEN UNDER THE ORDER SINCE THE PREVIOUS PROGRESS REPORT**

#### **Communications**

On August 8, 2011, MFA received the City of Portland Bureau of Environmental Services (BES) comments on MFA's September 30, 2010 Stormwater Source Control Evaluation Report.

On August 22, 2011, MFA submitted a letter requesting modifications to the groundwater performance monitoring scope and DNAPL screening program.

On August 26, 2011, DEQ provided comments on MFA's January 13, 2011 memorandum re: Recommended RBCs for Certain CVOCs for Characterizing Dredged Sediment from Gasco Sediments Site Pursuant to Statement of Work. DEQ also forwarded comments from USEPA dated June 17, 2011.

#### **Fieldwork**

EIB injections in the supplement injection area were completed in August. Preparation for installation of the soil vapor mitigation system commenced in August.

Group 1, 2 and 3 PMW monitoring and quarterly sampling continued through August.

Monthly water levels were collected on August 17, 2011. The monthly water levels are included in the attached MS Excel file.<sup>1</sup>

Measurements of dense, non-aqueous phase liquid (DNAPL) from former manufactured gas plant (MGP) operations were collected in selected Group 1 and 2 PMWs between August 17 and August 30, 2011. MGP DNAPL was detected in the following PMWs:

- WS-33-81: thickness 1.3 ft., estimated based on staining of bailer on August 8/18/2011.
- WS-43-36: thickness 7.98 ft., measured using interface probe on August 17, 2011.
- WS-15-85: thickness 5.2 ft., measured using interface probe on August 18, 2011.

Samples of MGP DNAPL were collected and submitted for analysis.

### **Actions to Be Taken in the Next Two Months**

Groundwater elevations and DNAPL screening will be collected in September and October. Performance monitoring in the Group 3 wells and selected Group 1 wells will continue in September.

Soil vapor sampling points SG-2 and SG-4 will be installed in September. Soil vapor sampling will continue in September.

MFA anticipates completing the soil vapor mitigation system in September.

### **TEST RESULTS AND DATA RECEIVED SINCE THE PREVIOUS PROGRESS REPORT**

Data through the August 2011 sampling events has been received but validation is not yet complete. Consistent with DEQ comments, the content and format of data submittal memoranda evaluating these data will be developed following DEQ review of the updated and revised PMP. The attached (electronic only) MS Excel data file contains all PMW and quarterly monitoring data received and validated through the end of the reporting period (August 31, 2011).

RAO 1 for the source area has been met in all of the Group 1 and 2 PMWs. As noted in MFA's September 9, 2011 submittal regarding the estimated operational life of zero valent

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<sup>1</sup> Includes monthly water levels from January-June 2011; water levels from preceding years have previously been submitted.

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iron in the subsurface, the concentration of TCE in source area groundwater has been reduced by 99.9 to 99.999 per cent since implementation was completed in July 2009.

## **PROBLEMS EXPERIENCED SINCE THE PREVIOUS PROGRESS REPORT**

No additional problems were experienced.

Please call either of us at (971) 544-2139 if you have questions or comments.

Sincerely,

Maul Foster & Alongi, Inc.



James G.D. Peale, RG  
Senior Hydrogeologist



Erik Bakkom, PE  
Senior Engineer

Attachments: Groundwater Data Received and Validated through Reporting Period and  
Water Level Data—MS Excel file (electronic only)

cc: Tom McCue, Siltronic Corporation  
Alan Gladstone, Davis Rothwell Earle and Xochihua  
Chris Reive, Jordan Schrader Ramis  
Jim Anderson, DEQ  
Kristine Koch, EPA  
Sean Sheldrake, EPA Seattle  
Rene Fuentes, EPA Seattle  
Chip Humphrey, EPA Portland  
Lance Peterson, CDM  
Bob Wyatt, NW Natural  
Patty Dost, Pearl Legal Group LLC  
John Edwards, Anchor QEA LLC  
Carl Stivers, Anchor QEA LLC  
Rob Ede, Hahn and Associates, Inc.  
Tom Gainer, DEQ  
Henning Larsen, DEQ  
Matt McClincy, DEQ